



ACRY SOL™ DR-5500
APEO-free Hydrophobically Modified Alkali Soluble
Anionic Associative Thickener For Latex Paints

Regional Product Availability

- North America

Description

ACRY SOL DR-5500 is a new associative thickener that provides the same performance as ACRY SOL RM-5, but without the use of APEO surfactants. ACRY SOL DR-5500 provides excellent gloss, film build and flow in latex paints. ACRY SOL™ DR-5500 is both APEO-free and solvent-free and is thus well suited to meeting the latest regulatory requirements for waterborne paints and coatings. ACRY SOL DR-5500 is effective in improving the high shear (ICI Cone & Plate) viscosity, resulting in coatings that have high film build characteristics for improved hiding and appearance. Other benefits to the manufacturer include a virtual absence of roller spatter and the full realization of gloss potential for latex paints. Since DR-5500 is of the hydrophobically-modified alkali-soluble chemistry, it offers a high degree of resistance to bacterial and enzymatic attack, resulting in long-term paint viscosity stability.

ACRY SOL DR-5500 Thickener is recommended for use in interior flat through gloss paints. It can also be used in exterior coatings as long as formulators exercise caution to minimize potential water sensitivity problems such as early blister. If water sensitivity is an issue, a nonionic HEUR associative thickener such as ACRY SOL RM-2020NPR or ACRY SOL™ RM-5000 may be effective.

ACRY SOL DR-5500 Thickener is supplied as a low viscosity liquid that is easy to handle and incorporate during the manufacturing process. It is ideally suited for automated or metered addition systems.

Advantages

FEATURES	BENEFITS
Outstanding Application Properties	Excellent flow and leveling, brush load, good roller transfer, low spatter
APEO-free manufacturing process	Formulate GS-11 and GreenSeal compliant coatings
Excellent Finished Paint Appearance	Excellent gloss development, high film build and hiding, very good block resistance
Paint Stability and Consistency	Good flow when tinted
Supplied as Low Viscosity Liquid	Easy to incorporate during the manufacturing process
Biostable	Resistance to microbial attack

Typical Physical Properties

(These properties are typical and should not be considered specifications.)	
Appearance	Milky white liquid
Solids	30%
Type	Anionic, HASE
Brookfield Viscosity as supplied 25° C	<15 cP
pH	3.5
Density, lbs/U.S. gallon	8.8
Bulking Value/U.S. gallon	0.1130

Handling Precautions

Before using this product, consult the Material Safety Data Sheet (MSDS)/Safety Data Sheet (SDS) for details on product hazards, recommended handling precautions and product storage.

CAUTION! Keep combustible and/or flammable products and their vapors away from heat, sparks, flames and other sources of ignition including static discharge. Processing or operating at temperatures near or above product flashpoint may pose a fire hazard. Use appropriate grounding and bonding techniques to manage static discharge hazards.

CAUTION! Failure to maintain proper volume level when using immersion heaters can expose tank and solution to excessive heat resulting in a possible combustion hazard, particularly when plastic tanks are used.

Storage

Store products in tightly closed original containers at temperatures recommended on the product label.

Disposal Considerations

Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.

It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Dow Technical Representative for more information.

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